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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/609,090	06/27/2003	Joseph Gan	42931B	. 7578
109	7590 12/07/2006		EXAMINER	
THE DOW CHEMICAL COMPANY			SELLERS, ROBERT E	
INTELLECTUAL PROPERTY SECTION, P. O. BOX 1967			ART UNIT	PAPER NUMBER
	MI 48641-1967		1712	
	:		DATE MAILED: 12/07/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.					
	Applicant(s)						
		10/609,090	GAN ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Robert Sellers	1712				
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the	correspondence address				
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in a solution of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be the triple and will expire SIX (6) MONTHS from the cause the application to become ABANDON	N. imely filed in the mailing date of this communication ED (35 U.S.C. § 133).				
Status		,					
1) 又	Responsive to communication(s) filed on 18 Au	ugust 2006.					
′=	· · · · · · · · · · · · · · · · · · ·	action is non-final.					
3)	Since this application is in condition for allowar	nce except for formal matters, pr	rosecution as to the merits is	;			
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	153 O.G. 213.				
Dispositi	on of Claims						
4)🖾	Claim(s) 16-25 is/are pending in the application	1. ·					
	4a) Of the above claim(s) 18-25 is/are withdrawn from consideration.						
5)	Claim(s) is/are allowed.						
· <u> </u>	Claim(s) <u>16 and 17</u> is/are rejected.						
	Claim(s) is/are objected to.						
8)	Claim(s) are subject to restriction and/or	r election requirement.		•			
Applicati	on Papers						
9) 🔲 🤈	The specification is objected to by the Examine	г.					
10) 🔲	The drawing(s) filed on is/are: a) ☐ acce	epted or b) objected to by the	Examiner.				
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the correction		•	I).			
11) 🔲	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	e Action or form PTO-152.				
Priority u	inder 35 U.S.C. § 119						
	Acknowledgment is made of a claim for foreign ☐ All b)☐ Some * c)☐ None of:	, ,	a)-(d) or (f).				
	1. Certified copies of the priority documents						
	2. Certified copies of the priority documents						
	3. Copies of the certified copies of the prior		ed in this National Stage				
* S	application from the International Bureau see the attached detailed Office action for a list of		ed				
_		·	·				
Attachment	c(s)						
	e of References Cited (PTO-892)	4) Interview Summan					
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail D 5) Notice of Informal I					
	No(s)/Mail Date	6) Other:	••				

Application/Control Number: 10/609,090

Art Unit: 1712

This is responsive to the Request for Continued Examination (RCE) filed August 18, 2006.

This application contains claims 18-25 drawn to inventions nonelected with traverse in the non-Final rejection mailed June 7, 2005. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144 and MPEP § 821.01).

The text of section 103(a) of Title 35, U.S. Code not included in this action can be found in the non-Final rejection.

Claims 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over European Patent No. 458,502 and PCT Publication No. 96/12751 in view of Schutyser et al. Patent No. 5,821,305; Japanese Patent Nos. 9-25349 and 9-194610 and Soviet Union Patent No. 448,742.

Claims 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schutyser et al. and Japanese '349 and '610 in view of the European patent and PCT publication.

The rejections are maintained for the reasons of record set forth in the previous Office actions. The arguments filed August 18, 2006 have been considered but are unpersuasive.

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1. The comparison in Tables I and II on pages 48 and 51 of the specification between Comparative Example 1 containing 3.2 parts by weight of dicyandiamide shown in the European and PCT references (page 10, Example 1) vs. Example 3 with 41 parts by weight of styrene-maleic anhydride copolymer is inconclusive. The use of different epoxy resins in diverse amounts, the absence of boric acid in Compartive Example 1, the different imidazoles and organic solvents at different concentrations, and the presence of tetrabromobisphenol A in Example 3 could contribute to the diverse dissipation factors D_f and T_g reported in Table II. The significantly varied proportions of crosslinker could also affect the tested properties, especially since there is no indication that the equivalent ratio of the active groups of the crosslinker to the epoxy groups of the epoxy resin has been held constant.

2. The singular effect of the claimed copolymer of an ethylenically unsaturated compound and vinyl compound has not been isolated by holding constant the types and amounts of other materials as well as the equivalent ratio of active groups of the crosslinker to epoxy groups of the epoxy resin. Furthermore, the evidence is not commensurate in scope with the claims because the experimentation with only 98.8 parts by weight of styrene-maleic anhydride copolymer (calculated from 41 pbw per 41.5 pbw of combined epoxy resins) does not establish the criticality of the claimed range of from 40 to 150 parts per 100 parts of polyepoxide.

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3. The cited comparison is not germane to the rejection wherein Schutyser et al. and Japanese '349 and '610 are primary references since the basis for the rejection is the motivation to complex the imidazole catalyst with the boric acid inhibitor of the European patent and PCT publication in order to control the gel time (European patent, page 4, line 58 to page 5, line 1) and inhibit the activity of the catalyst during B-staging (PCT publication, page 7, lines 23-24)." The motivation has been clearly elucidated and is consistent with the teachings of the primary references.

This is a RCE of applicant's earlier Application No. 10/609,090. All claims are drawn to the same invention claimed in the earlier application and could have been finally rejected on the grounds and art of record in the next Office action if they had been entered in the earlier application. Accordingly, **THIS ACTION IS MADE FINAL** even though it is a first action in this case. See MPEP § 706.07(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no, however, event will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Sellers whose telephone number is (571) 272-1093. The examiner can normally be reached on Monday to Friday from 9:30 to 6:00. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

ΓS

12/5/2006

ROBERT SELLERS
PRIMARY EXAMINER